Fig. 1

SEQ ID NO: 1

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GAATTCTGCGGAGCCTGCGGGACGGCGGCGGGTTGGCCCGTAGGCAGC
CGGGACAGTGTTGTACAGTGTTTTGGGCATGCACGTGATACTCACACA
GTGGCTTCTGCTCACCAACAGATGAAGACAGATGCACCAACGAGGGTC
TGGAATGGTCTGGAGTGGTCTGGAAAGCAGGGTCAGATACCCCTGGAA
AACTGAAGCCCGTGGAGCAATGATCTCTACAGGACTGCTTCAAGGCTG
ATGGGAACCACCCTGTAGAGGTCCATCTGCGTTCAGACCCAGACGATG
CCAGAGCTATGACTGGGCCTGCAGGTGTGGCGCCGAGGGGAGATCAGC
CATGGAGCAGCCACAGGAGGAAGCCCCTGAGGTCCGGGAAGAGGAGGA
GAAAGAGGAAGTGGCAGAGGCAGAAGGAGCCCCAGAGCTCAATGGGGG
ACCACAGCATGCACTTCCTTCCAGCAGCTACACAGACCTCTCCCGGAG
CTCCTCGCCACCCTCACTGCTGGACCAACTGCAGATGGGCTGTGACGG
GGCCTCATGCGGCAGCCTCAACATGGAGTGCCGGGTGTGCGGGGACAA
GGCATCGGGCTTCCACTACGGTGTTCATGCATGTGAGGGGTGCAAGGG
CTTCTTCCGTCGTACGATCCGCATGAAGCTGGAGTACGAGAAGTGTGA
GCGCAGCTGCAAGATTCAGAAGAAGAACCGCAACAAGTGCCAGTACTG
CCGCTTCCAGAAGTGCCTGGCACTGGGCATGTCACACAACGCTATCCG
TTTTGGTCGGATGCCGGAGGCTGAGAAGAGGAAGCTGGTGGCAGGGCT
GACTGCAAACGAGGGGAGCCAGTACAACCCACAGGTGGCCGACCTGAA
GGCCTTCTCCAAGCACATCTACAATGCCTACCTGAAAAACTTCAACAT
GACCAAAAAGAAGGCCCGCAGCATCCTCACCGGCAAAGCCAGCCACAC
GGCGCCCTTTGTGATCCACGACATCGAGACATTGTGGCAGGCAGAGAA
GGGGCTGGTGTGGAAGCAGTTGGTGAATGGCCTGCCTCCCTACAAGGA
GATCAGCGTGCACGTCTTCTACCGCTGCCAGTGCACCACAGTGGAGAC
CGTGCGGGAGCTCACTGAGTTCGCCAAGAGCATCCCCAGCTTCAGCAG
CCTCTTCCTCAACGACCAGGTTACCCTTCTCAAGTATGGCGTGCACGA
GGCCATCTTCGCCATGCTGGCCTCTATCGTCAACAAGGACGGGCTGCT
GGTAGCCAACGGCAGTGGCTTTGTCACCCGTGAGTTCCTGCGCAGCCT
CCGCAAACCCTTCAGTGATATCATTGAGCCTAAGTTTGAATTTGCTGT
```

Fig. 1 (continued)

CAAGTTCAACGCCCTGGAACTTGATGACAGTGACCTGGCCCTATTCAT

TGCGGCCATCATTCTGTGTGGAGACCGGCCAGGCCTCATGAACGTTCC

ACGGGTGGAGGCTATCCAGGACACCATCCTGCGTGCCCTCGAATTCCA

CCTGCAGGCCAACCACCCTGATGCCCAGTACCTCTTCCCCAAGCTGCT

GCAGAAGATGGCTGACCTGCGGCAACTGGTCACCGAGCACGCCCAGAT

GATGCAGCGGATCAAGAAGACCGAAACCGAGACCTCGCTGCACCCTCT

GCTCCAGGAGATCTACAAGGACATGTACTAACGGCGGCACCCAGGCCT

CCCTGCAGACTCCAATGGGGCCAGCACTGGAGGGGCCCACCCACATGA

CTTTTCCATTGACCAGCTCTCTTCCTGTCTTTGTTGTCTCCCTCTTTC

TCAGTTCCTCTTTCTTTTCTAATTCCTGTTGCTCTGTTTCTTCCTTTC

TGTAGGTTTCTCTCTTCCCTTCTCCCTTCTCCCTTGCCCTCCCTTTCT

CTCTCCTATCCCCACGTCTGTCCTCCTTTCTTATTCTGTGAGATGTTT

TGTATTATTTCACCAGCAGCATAGAACAGGACCTCTGCTTTTGCACAC

CTTTTCCCCAGGAGCAGAAGAGAGTGGGCCTGCCCTCTGCCCCATCAT

TGCACCTGCAGGCTTAGGTCCTCACTTCTGTCTCCTGTCTTCAGAGCA

AAAGACTTGAGCCATCCAAAGAAACACTAAGCTCTCTGGGCCTGGGTT

CCAGGGAAGGCTAAGCATGGCCTGGACTGACTGCAGCCCCCTATAGTC

ATGGGGTCCCTGCTGCAAAGGACAGTGGCAGACCCCGGCAGTAGAGCC

GAGATGCCTCCCCAAGACTGTCATTGCCCCTCCGATCGTGAGGCCACC

CACTGACCCAATGATCCTCTCCAGCAGCACACCTCAGCCCCACTGACA

CCCAGTGTCCTTCCATCTTCACACTGGTTTGCCAGGCCAATGTTGCTG

ATGGCCCCTCCAGCACACACACATAAGCACTGAAATCACTTTACCTGC

AGGCACCATGCACCTCCCTTCCCTCCCTGAGGCAGGTGAGAACCCAGA

GAGAGGGGCCTGCAGGTGAGCAGGCAGGGCTGGGCCAGGTCTCCGGGG

AGGCAGGGGTCCTGCAGGTCCTGGTGGGTCAGCCCAGCACCTCGCCCA

GTGGGAGCTTCCCGGGATAAACTGAGCCTGTTCATTCTGATGTCCATT

TGTCCCAATAGCTCTACTGCCCTCCCCTTCCCCTTTACTCAGCCCAGC

TGGCCACCTAGAAGTCTCCCTGCACAGCCTCTAGTGTCCGGGGACCTT

GTGGGACCAGTCCCACACCGCTGGTCCCTGCCCTCCCCTGCTCCCAGG

Fig. 1 (continued)

TTGAGGTGCGCTCACCTCAGAGCAGGGCCAAAGCACAGCTGGGCATGC
CATGTCTGAGCGGCGCAGAGCCCTCCAGGCCTGCAGGGGCAAGGGGCT
GGCTGGAGTCTCAGAGCACAGAGGTAGGAGAACTGGGGTTCAAGCCCA
GGCTTCCTGGGTCCTGCCTGGTCCTCCCTCCCAAGGAGCCATTCTATG
TGACTCTGGGTGGAAGTGCCCAGCCCCTGCCTGACGGNNNNNNNGATC
ACTCTCTGCTGGCAGGATTCTTCCCGCTCCCCACCTACCCAGCTGATG
GGGGTTGGGGTGCTTCTTTCAGCCAAGGCTATGAAGGGACAGCTGCTG
GGACCCACCTCCCCCCTTCCCCGGCCACATGCCGCGTCCCTGCCCCCA
CCCGGGTCTGGTGCTGAGGATACAGCTCTTCTCAGTGTCTGAACAATC
TCCAAAATTGAAATGTATATTTTTGCTAGGAGCCCCAGCTTCCTGTGT
TTTTAATATAAATAGTGTACACAGACTGACGAAACTTTAAATAAATGG
GAATTAAATATTTAAAAAAAAAAGCGGCCGCGAATTC

Fig. 2

SEQ ID NO: 2

MEQPQEEAPEVREEEEKEEVAEAEGAPELNGGPQHALPSSSYTDLSRS
SSPPSLLDQLQMGCDGASCGSLNMECRVCGDKASGFHYGVHACEGCKG
FFRRTIRMKLEYEKCERSCKIQKKNRNKCQYCRFQKCLALGMSHNAIR
FGRMPEAEKRKLVAGLTANEGSQYNPQVADLKAFSKHIYNAYLKNFNM
TKKKARSILTGKASHTAPFVIHDIETLWQAEKGLVWKQLVNGLPPYKE
ISVHVFYRCQCTTVETVRELTEFAKSIPSFSSLFLNDQVTLLKYGVHE
AIFAMLASIVNKDGLLVANGSGFVTREFLRSLRKPFSDIIEPKFEFAV
KFNALELDDSDLALFIAAIILCGDRPGLMNVPRVEAIQDTILRALEFH
LQANHPDAQYLFPKLLQKMADLRQLVTEHAQMMQRIKKTETETSLHPL
LQEIYKDMY

Fig. 3

SEQ ID NO: 3

5'-CAGTACTGCCGCTTCCAGA-3'

Fig. 4

SEQ ID NO: 4

5'-CATCCGACCAAAACGGATAG-3'

Fig. 5

SEQ ID NO: 5

5'-CTGGCACTGGGCATGTCACACAAC-3'